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(54) **PULSED ARC WELDING APPARATUS**

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(57) Abstract

**PROBLEM TO BE SOLVED:** To provide a pulsed arc welding apparatus which makes it possible to perform a safe and stable ignition and the discharge control, matching an arc welding which functions by comparatively small welding power current.

**SOLUTION:** An arc welding power source 3 to supply D.C. pulsed welding current between an electrode 11 and a base metal 12 and an arc starting power source 7 to supply a high voltage pulse for ignition of arc are set up close in a line and the arc welding power source 3 and the arc starting power source 7 are drivingly controlled by the sequence previously programmed into CPU 1 and concurrently the arc starting power source 7 supplies a low frequency high voltage impulse between the electrode 11 and the base metal 12.

